United States Patent 119

Martin et al.

[11] Patent Number: Date of Patent:

·夏44.70 (1977年) 25 [54] MULTIPLE LUMEN CATHETER

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- The portion of the term of this petent [*] Notice: subsequent to Mar. 23, 2010, has been disclaimed.
- [21] Appl. No.: 481,169
- Jun. 7, 1995 [22] Filed:

(Under 37 CPR 1.47)

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[58]	Field of Search 604/43, 264, 280-283, 604/284, 101, 102, 164-169, 4-7, 174,
	177-180; 138/111-117

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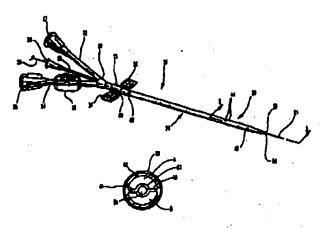
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ABSTRACT

The investion provides a cylindrical clongate body extending from a prutimal to a distri end, the body defining two similar longitudinally extending lumees separated by a septum and a further lumes defined within the septum, a tip extending from the distal end of the body defining a part of the further himes, a connector at the proximal end, tubes coupled to the connector and in full communication through the connector one with each of the respective lumers, the body defining openings providing access one to each of the longitudinally extending lumins, the openings being spaced from one another longitudinally of the body and the further lusten extending longitudinally beyond the longitudisally extending lamens and through the up. the further inners terminating at an opening at the distal end of the tip and the tip being convergently inpered as it extends longitudinally from the body and the longitudinally extending lumens being blocked immediately adjacent and distally of the openings.

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